

MACHINE SERVICE BULLETIN #121

SUBJECT: MA model adjustments

DATE: December 22, 1931

TO ALL OFFICES:

Item No. 1. We wish to call to the attention of servicemen Plate #62 in Machine Service Bulletin #116, which pertains to the keyboard alignment of this model, as letters we have received would indicate that some servicemen are of the opinion that the selecting bails should be aligned so that a $3/4$ engagement will exist between the selecting gears and the intermediate gears, which is considered the proper adjustment in all K models.

While the same principles and instructions apply to the general alignment of keyboards in all models, there is a difference with respect to the engagement of the selecting gears with the intermediate gears in the MA and L models, as the design permits a full engagement and leaves a clearance of .015 as explained and illustrated in Figure 3, Plate #62 of this bulletin.

On all K models the thickness of the selecting gear segments are the same as the thickness of the intermediate gears viz., .062. Therefore, a $3/4$ engagement of these parts in K models represents the same clearance, i.e. a full engagement of the selecting gears with the intermediate gears on MA and L models equals .015 clearance. A $3/4$ engagement of these parts in K models represents a .015 clearance.

To obtain satisfactory results in adjusting the keyboard alignment in MA and L models a full engagement of the selecting gears with the intermediate gears should be maintained.

Item No. 2. We have found it advisable to replace spring 3586 shown as "E" Figure 2, Plate #23, Machine Service Bulletin #116 with spring 883 as its tension was not in all cases sufficiently strong enough to restore the register clearout operating lever and neutralize the mechanism.

Item No. 3. We have substituted spring 2885 for spring 3587 shown as "D" Figure 1, Plate 24 of this bulletin to improve the action of the nineteen tooth counting dial clearout.

We are sending you with this bulletin six each of 883 and 2885 springs for replacement purposes, and would recommend that these be installed as opportunity presents itself in machines of this model in your district. A further supply of these springs may be obtained at no charge upon receipt of your requisition.



General Service Manager

FMS:MG
Encl.